

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY



MARY FALLIN
GOVERNOR

January 30, 2014

Date of all letters should be 2015
not 2014

(b) (6)
(b) (6)

Dear Mr. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first two pages of the sampling data are for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next six pages are for SVOCs, and the last two pages for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.001

Collected By: TD

Description: WR-1; (b) (6)

Collected: 12/18/14 9:35 am

Received: 12/18/14 4:11 pm

TEST RESULTS

Analysis: Volatile Organic Compounds

Analysis Method: EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.002

Collected By: TD

Description: WR-2; (b) (6)

Collected: 12/18/14 9:35 am

Received: 12/18/14 4:11 pm

TEST RESULTS

Analysis: Volatile Organic Compounds

Analysis Method: EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541683
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 0935
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov
Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab		1.13				
Acenaphthylene	<	22.6	UG/L	01/06/15	8270D	
Acenaphthene	<	22.6	UG/L	01/06/15	8270D	
Anthracene	<	22.6	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	22.6	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	22.6	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	22.6	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	22.6	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	22.6	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	22.6	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	22.6	UG/L	01/06/15	8270D	
Chrysene	<	22.6	UG/L	01/06/15	8270D	
Diethylphthalate	<	22.6	UG/L	01/06/15	8270D	
Dimethylphthalate	<	22.6	UG/L	01/06/15	8270D	
Fluoranthene	<	22.6	UG/L	01/06/15	8270D	
Fluorene	<	22.6	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	22.6	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	22.6	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	22.6	UG/L	01/06/15	8270D	
Isophorone	<	22.6	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	22.6	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	22.6	UG/L	01/06/15	8270D	
Nitrobenzene	<	22.6	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	22.6	UG/L	01/06/15	8270D	
Phenanthrene	<	22.6	UG/L	01/06/15	8270D	
Pyrene	<	22.6	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	22.6	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	22.6	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	22.3	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	22.6	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	22.6	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	22.6	UG/L	01/06/15	8270D	
2-Chlorophenol	<	22.6	UG/L	01/06/15	8270D	

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To: TODD DOWNHAM/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	22.6	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	22.6	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	22.6	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	22.6	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	22.6	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	56.5	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	22.6	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	22.6	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	22.6	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	22.6	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	22.6	UG/L	01/06/15	8270D	
4-Nitrophenol	<	56.5	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	56.5	UG/L	01/06/15	8270D	
Phenol	<	22.6	UG/L	01/06/15	8270D	
Naphthalene	<	22.6	UG/L	01/06/15	8270D	
Pentachlorophenol	<	56.5	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	22.6	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	22.6	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	22.6	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	22.6	UG/L	01/06/15	8270D	
Dibenzofuran	<	22.6	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	22.6	UG/L	01/06/15	8270D	
2-Methylphenol	<	22.6	UG/L	01/06/15	8270D	
4-Methylphenol	<	22.6	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	22.6	UG/L	01/06/15	8270D	
4-Chloroaniline	<	22.6	UG/L	01/06/15	8270D	
2-Nitroaniline	<	56.5	UG/L	01/06/15	8270D	
3-Nitroaniline	<	56.5	UG/L	01/06/15	8270D	
4-Nitroaniline	<	56.5	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		22
2,4,6-TRIBROMOPHENOL		64

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To: TODD DOWNHAM/LPD

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		29
P-TERPHENYL-D14		76
2-FLUOROBIPHENYL		53
NITROBENZENE-D5		53

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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(NU)

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-2; (b) (6)

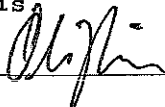
SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

* ANALYST



Sample Number: 541682
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 0935
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractabl		0.98				
Acenaphthylene	<	19.6	UG/L	01/06/15	8270D	
Acenaphthene	<	19.6	UG/L	01/06/15	8270D	
Anthracene	<	19.6	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	19.6	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	19.6	UG/L	01/06/15	8270D	
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Bis(2-chloroethoxy)methane	<	19.6	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	19.6	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	19.6	UG/L	01/06/15	8270D	
Chrysene	<	19.6	UG/L	01/06/15	8270D	
Diethylphthalate	<	19.6	UG/L	01/06/15	8270D	
Dimethylphthalate	<	19.6	UG/L	01/06/15	8270D	
Fluoranthene	<	19.6	UG/L	01/06/15	8270D	
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Pyrene	<	19.6	UG/L	01/06/15	8270D	
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Benzo(a)anthracene	<	19.6	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	19.6	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	19.6	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	19.6	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	19.6	UG/L	01/06/15	8270D	
2-Chlorophenol	<	19.6	UG/L	01/06/15	8270D	

Sample Number: 541682
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To: TODD DOWNHAM/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	19.6	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	19.6	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	19.6	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	19.6	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	19.6	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	49.0	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	19.6	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	19.6	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	19.6	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	19.6	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	19.6	UG/L	01/06/15	8270D	
4-Nitrophenol	<	49.0	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	49.0	UG/L	01/06/15	8270D	
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Dibenzofuran	<	19.6	UG/L	01/06/15	8270D	
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2-Methylphenol	<	19.6	UG/L	01/06/15	8270D	
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2-Nitroaniline	<	49.0	UG/L	01/06/15	8270D	
3-Nitroaniline	<	49.0	UG/L	01/06/15	8270D	
4-Nitroaniline	<	49.0	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		40
2-FLUOROBIPHENYL		41

Sample Number: 541682
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To: TODD DOWNHAM/LPD

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		24
2,4,6-TRIBROMOPHENOL		56
P-TERPHENYL-D14		67
PHENOL-D5		18

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
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(NU)

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-1; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

* ANALYST



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Project Code: SW-WE
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Facility:
Report Date: 1/9/2015

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OKLAHOMA, 73102-6010
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or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		167	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total	<	5.00	UG/L	12/31/14	200.8	
Copper, Total		18.4	UG/L	12/31/14	200.8	
Lead, Total		9.90	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total		177	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-1; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

Sample Number: 541683
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 0935
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/9/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		170	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total	<	5.00	UG/L	12/31/14	200.8	
Copper, Total		20.2	UG/L	12/31/14	200.8	
Lead, Total		10.6	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total		187	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-2; [REDACTED]

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 30, 2014

(b) (6)

(b) (6)

Dear Mr. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first page of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next three pages are for SVOCs, and the last page for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.003

Collected By: TD

Description: WR-3; (b) (6)

Collected: 12/18/14 10:22 am

Received: 12/18/14 4:11 pm

TEST RESULTS

Analysis: Volatile Organic Compounds

Analysis Method: EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541684
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1022
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab		1.10				
Acenaphthylene	<	22.0	UG/L	01/06/15	8270D	
Acenaphthene	<	22.0	UG/L	01/06/15	8270D	
Anthracene	<	22.0	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	22.0	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	22.0	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	22.0	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	22.0	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	22.0	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	22.0	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	22.0	UG/L	01/06/15	8270D	
Chrysene	<	22.0	UG/L	01/06/15	8270D	
Diethylphthalate	<	22.0	UG/L	01/06/15	8270D	
Dimethylphthalate	<	22.0	UG/L	01/06/15	8270D	
Fluoranthene	<	22.0	UG/L	01/06/15	8270D	
Fluorene	<	22.0	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	22.0	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	22.0	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	22.0	UG/L	01/06/15	8270D	
Isophorone	<	22.0	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	22.0	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	22.0	UG/L	01/06/15	8270D	
Nitrobenzene	<	22.0	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	22.0	UG/L	01/06/15	8270D	
Phenanthrene	<	22.0	UG/L	01/06/15	8270D	
Pyrene	<	22.0	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	22.0	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	22.0	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	22.0	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	22.0	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	22.0	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	22.0	UG/L	01/06/15	8270D	
2-Chlorophenol	<	22.0	UG/L	01/06/15	8270D	

Sample Number: 541684
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1022
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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 or selsd@deq.ok.gov
Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	22.0	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	22.0	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	22.0	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	22.0	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	22.0	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	55.0	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	22.0	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	22.0	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	22.0	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	22.0	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	22.0	UG/L	01/06/15	8270D	
4-Nitrophenol	<	55.0	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	55.0	UG/L	01/06/15	8270D	
Phenol	<	22.0	UG/L	01/06/15	8270D	
Naphthalene	<	22.0	UG/L	01/06/15	8270D	
Pentachlorophenol	<	55.0	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	22.0	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	22.0	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	22.0	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	22.0	UG/L	01/06/15	8270D	
Dibenzofuran	<	22.0	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	22.0	UG/L	01/06/15	8270D	
2-Methylphenol	<	22.0	UG/L	01/06/15	8270D	
4-Methylphenol	<	22.0	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	22.0	UG/L	01/06/15	8270D	
4-Chloroaniline	<	22.0	UG/L	01/06/15	8270D	
2-Nitroaniline	<	55.0	UG/L	01/06/15	8270D	
3-Nitroaniline	<	55.0	UG/L	01/06/15	8270D	
4-Nitroaniline	<	55.0	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		31
2-FLUOROBIPHENYL		53

Sample Number: 541684
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1022
Date Received: 12/18/2014
Date Completed: 01/08/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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or selsd@deq.ok.gov
Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		65
PHENOL-D5		23
NITROBENZENE-D5		53
P-TERPHENYL-D14		79

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(NU)			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-3; (b) (6)

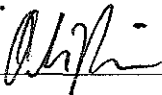
SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

* ANALYST



Sample Number: 541684
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1022
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/9/2015

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STATE ENVIRONMENTAL LABORATORY
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OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total	<	5.00	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total		5.10	UG/L	12/31/14	200.8	
Copper, Total		13.1	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total		11.4	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-3; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 26, 2014

(b) (6)

Dear Mr. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first page of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next three pages are for SVOCs, and the last page for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.004 **Collected By:** TD
Description: WR-4; (b) (6) **Collected:** 12/18/14 10:50 am
Received: 12/18/14 4:12 pm

TEST RESULTS

Analysis: Volatile Organic Compounds **Analysis Method:** EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541685
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1050
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.00				
Acenaphthylene	<	20.0	UG/L	01/06/15	8270D	
Acenaphthene	<	20.0	UG/L	01/06/15	8270D	
Anthracene	<	20.0	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	20.0	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	20.0	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	20.0	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	20.0	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	20.0	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	20.0	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	20.0	UG/L	01/06/15	8270D	
Chrysene	<	20.0	UG/L	01/06/15	8270D	
Diethylphthalate	<	20.0	UG/L	01/06/15	8270D	
Dimethylphthalate	<	20.0	UG/L	01/06/15	8270D	
Fluoranthene	<	20.0	UG/L	01/06/15	8270D	
Fluorene	<	20.0	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	20.0	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	20.0	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	20.0	UG/L	01/06/15	8270D	
Isophorone	<	20.0	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	20.0	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	20.0	UG/L	01/06/15	8270D	
Nitrobenzene	<	20.0	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	20.0	UG/L	01/06/15	8270D	
Phenanthrene	<	20.0	UG/L	01/06/15	8270D	
Pyrene	<	20.0	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	20.0	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	20.0	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	20.0	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	20.0	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	20.0	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	20.0	UG/L	01/06/15	8270D	
2-Chlorophenol	<	20.0	UG/L	01/06/15	8270D	

Sample Number: 541685
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1050
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov
Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	20.0	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	20.0	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	20.0	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	20.0	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	20.0	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	50.0	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	20.0	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	20.0	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	20.0	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	20.0	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	20.0	UG/L	01/06/15	8270D	
4-Nitrophenol	<	50.0	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	50.0	UG/L	01/06/15	8270D	
Phenol	<	20.0	UG/L	01/06/15	8270D	
Naphthalene	<	20.0	UG/L	01/06/15	8270D	
Pentachlorophenol	<	50.0	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	20.0	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	20.0	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	20.0	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	20.0	UG/L	01/06/15	8270D	
Dibenzofuran	<	20.0	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	20.0	UG/L	01/06/15	8270D	
2-Methylphenol	<	20.0	UG/L	01/06/15	8270D	
4-Methylphenol	<	20.0	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	20.0	UG/L	01/06/15	8270D	
4-Chloroaniline	<	20.0	UG/L	01/06/15	8270D	
2-Nitroaniline	<	50.0	UG/L	01/06/15	8270D	
3-Nitroaniline	<	50.0	UG/L	01/06/15	8270D	
4-Nitroaniline	<	50.0	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		79
PHENOL-D5		22

Sample Number: 541685
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
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Date Received: 12/18/2014
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To: TODD DOWNHAM/LPD

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		56
2-FLUOROPHENOL		28
2-FLUOROBIPHENYL		54
2,4,6-TRIBROMOPHENOL		70

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
----------	---	-------	-------

(NU)

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-4; (b) (6)

SAMPLE RECEIVING COMMENTS:

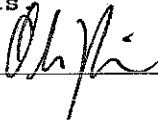
ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

*

* ANALYST



Sample Number: 541685
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1050
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
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To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		17.3	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total	<	5.00	UG/L	12/31/14	200.8	
Copper, Total		7.60	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total	<	10.0	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-4; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 26, 2014

(b) (6)

Dear Mr. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first page of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next three pages are for SVOCs, and the last page for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.005 **Collected By:** TD
Description: WR-5; THOMAS **Collected:** 12/18/14 11:00 am
Received: 12/18/14 4:12 pm

TEST RESULTS

Analysis: Volatile Organic Compounds **Analysis Method:** EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541686
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1100
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab		0.96				
Acenaphthylene	<	19.2	UG/L	01/06/15	8270D	
Acenaphthene	<	19.2	UG/L	01/06/15	8270D	
Anthracene	<	19.2	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	19.2	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	19.2	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	19.2	UG/L	01/06/15	8270D	
Bis(2-chloroethyl) ether	<	19.2	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	19.2	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl) ether	<	19.2	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	19.2	UG/L	01/06/15	8270D	
Chrysene	<	19.2	UG/L	01/06/15	8270D	
Diethylphthalate	<	19.2	UG/L	01/06/15	8270D	
Dimethylphthalate	<	19.2	UG/L	01/06/15	8270D	
Fluoranthene	<	19.2	UG/L	01/06/15	8270D	
Fluorene	<	19.2	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	19.2	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	19.2	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	19.2	UG/L	01/06/15	8270D	
Isophorone	<	19.2	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	19.2	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	19.2	UG/L	01/06/15	8270D	
Nitrobenzene	<	19.2	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	19.2	UG/L	01/06/15	8270D	
Phenanthrene	<	19.2	UG/L	01/06/15	8270D	
Pyrene	<	19.2	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	19.2	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	19.2	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	19.2	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	19.2	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	19.2	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	19.2	UG/L	01/06/15	8270D	
2-Chlorophenol	<	19.2	UG/L	01/06/15	8270D	

Sample Number: 541686
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1100
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Report of Analysis by GCMS
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To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	19.2	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	19.2	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	19.2	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	19.2	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	19.2	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	48.0	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	19.2	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	19.2	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	19.2	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	19.2	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	19.2	UG/L	01/06/15	8270D	
4-Nitrophenol	<	48.0	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	48.0	UG/L	01/06/15	8270D	
Phenol	<	19.2	UG/L	01/06/15	8270D	
Naphthalene	<	19.2	UG/L	01/06/15	8270D	
Pentachlorophenol	<	48.0	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	19.2	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	19.2	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	19.2	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	19.2	UG/L	01/06/15	8270D	
Dibenzofuran	<	19.2	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	19.2	UG/L	01/06/15	8270D	
2-Methylphenol	<	19.2	UG/L	01/06/15	8270D	
4-Methylphenol	<	19.2	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	19.2	UG/L	01/06/15	8270D	
4-Chloroaniline	<	19.2	UG/L	01/06/15	8270D	
2-Nitroaniline	<	48.0	UG/L	01/06/15	8270D	
3-Nitroaniline	<	48.0	UG/L	01/06/15	8270D	
4-Nitroaniline	<	48.0	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		20
2-FLUOROBIPHENYL		47

Sample Number: 541686
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		66
P-TERPHENYL-D14		76
NITROBENZENE-D5		46
2-FLUOROPHENOL		26

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(NU)			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-5; (b) (6)

SAMPLE RECEIVING COMMENTS:

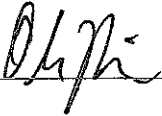
ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

*

* ANALYST



Sample Number: 541686
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1100
Date Received: 12/18/2014
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To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		27.1	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total		5.70	UG/L	12/31/14	200.8	
Copper, Total		16.5	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total	<	10.0	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-5; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 26, 2014

Mr. (b) (6)

Dear Mr. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first two pages of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next six pages are for SVOCs, and the last two pages for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.006 **Collected By:** TD
Description: WR-6; LANE **Collected:** 12/18/14 11:35 am
Received: 12/18/14 4:12 pm

TEST RESULTS

Analysis: Volatile Organic Compounds **Analysis Method:** EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541687
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1135
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.03				
Acenaphthylene	<	20.6	UG/L	01/06/15	8270D	
Acenaphthene	<	20.6	UG/L	01/06/15	8270D	
Anthracene	<	20.6	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	20.6	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	20.6	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	20.6	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	20.6	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	20.6	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	20.6	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	20.6	UG/L	01/06/15	8270D	
Chrysene	<	20.6	UG/L	01/06/15	8270D	
Diethylphthalate	<	20.6	UG/L	01/06/15	8270D	
Dimethylphthalate	<	20.6	UG/L	01/06/15	8270D	
Fluoranthene	<	20.6	UG/L	01/06/15	8270D	
Fluorene	<	20.6	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	20.6	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	20.6	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	20.6	UG/L	01/06/15	8270D	
Isophorone	<	20.6	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	20.6	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	20.6	UG/L	01/06/15	8270D	
Nitrobenzene	<	20.6	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	20.6	UG/L	01/06/15	8270D	
Phenanthrene	<	20.6	UG/L	01/06/15	8270D	
Pyrene	<	20.6	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	20.6	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	20.6	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	20.6	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	20.6	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	20.6	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	20.6	UG/L	01/06/15	8270D	
2-Chlorophenol	<	20.6	UG/L	01/06/15	8270D	

Sample Number: 541687
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1135
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Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	20.6	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	20.6	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	20.6	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	20.6	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	20.6	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	51.5	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	20.6	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	20.6	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	20.6	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	20.6	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	20.6	UG/L	01/06/15	8270D	
4-Nitrophenol	<	51.5	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	51.5	UG/L	01/06/15	8270D	
Phenol	<	20.6	UG/L	01/06/15	8270D	
Naphthalene	<	20.6	UG/L	01/06/15	8270D	
Pentachlorophenol	<	51.5	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	20.6	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	20.6	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	20.6	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	20.6	UG/L	01/06/15	8270D	
Dibenzofuran	<	20.6	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	20.6	UG/L	01/06/15	8270D	
2-Methylphenol	<	20.6	UG/L	01/06/15	8270D	
4-Methylphenol	<	20.6	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	20.6	UG/L	01/06/15	8270D	
4-Chloroaniline	<	20.6	UG/L	01/06/15	8270D	
2-Nitroaniline	<	51.5	UG/L	01/06/15	8270D	
3-Nitroaniline	<	51.5	UG/L	01/06/15	8270D	
4-Nitroaniline	<	51.5	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		18
2-FLUOROBIPHENYL		56

Sample Number: 541687
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1135
Date Received: 12/18/2014
Date Completed: 01/08/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/8/2015

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Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		80
2-FLUOROPHENOL		23
2,4,6-TRIBROMOPHENOL		70
NITROBENZENE-D5		51

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
1,2-Benzenedicarboxylic acid, d		131	ug/L

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-6 (b) (6)

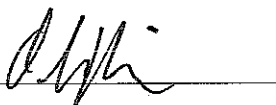
SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NJ) The analysis indicates the presence of one or more compounds that have been 'tentatively identified,' and the associated numerical values represent their approximate concentrations.

* ANALYST



Sample Number: 541687
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1135
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/9/2015

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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		59.1	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total		5.20	UG/L	12/31/14	200.8	
Copper, Total	<	5.00	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total		18.7	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-6;1(b)(6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 26, 2014

(b) (6)

Dear Ms. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first page of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next three pages are for SVOCs, and the last page for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.007

Collected By: TD

Description: WR-7 (b) (6)

Collected: 12/18/14 12:15 pm

Received: 12/18/14 4:12 pm

TEST RESULTS

Analysis: Volatile Organic Compounds

Analysis Method: EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541688
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1215
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab:		1.05				
Acenaphthylene	<	21.0	UG/L	01/06/15	8270D	
Acenaphthene	<	21.0	UG/L	01/06/15	8270D	
Anthracene	<	21.0	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	21.0	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	21.0	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	21.0	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	21.0	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	21.0	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	21.0	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	21.0	UG/L	01/06/15	8270D	
Chrysene	<	21.0	UG/L	01/06/15	8270D	
Diethylphthalate	<	21.0	UG/L	01/06/15	8270D	
Dimethylphthalate	<	21.0	UG/L	01/06/15	8270D	
Fluoranthene	<	21.0	UG/L	01/06/15	8270D	
Fluorene	<	21.0	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	21.0	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	21.0	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	21.0	UG/L	01/06/15	8270D	
Isophorone	<	21.0	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	21.0	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	21.0	UG/L	01/06/15	8270D	
Nitrobenzene	<	21.0	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	21.0	UG/L	01/06/15	8270D	
Phenanthrene	<	21.0	UG/L	01/06/15	8270D	
Pyrene	<	21.0	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	21.0	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	21.0	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	21.0	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	21.0	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	21.0	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	21.0	UG/L	01/06/15	8270D	
2-Chlorophenol	<	21.0	UG/L	01/06/15	8270D	

Sample Number: 541688
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1215
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

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To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	21.0	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	21.0	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	21.0	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	21.0	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	21.0	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	52.5	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	21.0	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	21.0	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	21.0	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	21.0	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	21.0	UG/L	01/06/15	8270D	
4-Nitrophenol	<	52.5	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	52.5	UG/L	01/06/15	8270D	
Phenol	<	21.0	UG/L	01/06/15	8270D	
Naphthalene	<	21.0	UG/L	01/06/15	8270D	
Pentachlorophenol	<	52.5	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	21.0	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	21.0	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	21.0	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	21.0	UG/L	01/06/15	8270D	
Dibenzofuran	<	21.0	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	21.0	UG/L	01/06/15	8270D	
2-Methylphenol	<	21.0	UG/L	01/06/15	8270D	
4-Methylphenol	<	21.0	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	21.0	UG/L	01/06/15	8270D	
4-Chloroaniline	<	21.0	UG/L	01/06/15	8270D	
2-Nitroaniline	<	52.5	UG/L	01/06/15	8270D	
3-Nitroaniline	<	52.5	UG/L	01/06/15	8270D	
4-Nitroaniline	<	52.5	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
P-TERPHENYL-D14		73
PHENOL-D5		27

Sample Number: 541688
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1215
Date Received: 12/18/2014
Date Completed: 01/08/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
General Inquiries: 1-866-412-3057
or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
NITROBENZENE-D5		68
2-FLUOROPHENOL		34
2-FLUOROBIPHENYL		67
2,4,6-TRIBROMOPHENOL		78

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(NU)			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-7; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

* ANALYST



Sample Number: 541688
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1215
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/9/2015

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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		61.5	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total		5.30	UG/L	12/31/14	200.8	
Copper, Total		5.30	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total	<	10.0	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-7; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode
Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 26, 2014

(b) (6)

Dear Mr. (b) (6),

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first page of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next three pages are for SVOCs, and the last page for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

A handwritten signature in black ink that reads "W. Todd Downham".

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.008

Collected By: TD

Description: WR-8; (b) (6)

Collected: 12/18/14 1:25 pm

Received: 12/18/14 4:12 pm

TEST RESULTS

Analysis: Volatile Organic Compounds

Analysis Method: EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541689
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1325
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
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OKLAHOMA CITY
OKLAHOMA, 73102-6010
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 or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab		1.05				
Acenaphthylene	<	21.0	UG/L	01/06/15	8270D	
Acenaphthene	<	21.0	UG/L	01/06/15	8270D	
Anthracene	<	21.0	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	21.0	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	21.0	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	21.0	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	21.0	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	21.0	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	21.0	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	21.0	UG/L	01/06/15	8270D	
Chrysene	<	21.0	UG/L	01/06/15	8270D	
Diethylphthalate	<	21.0	UG/L	01/06/15	8270D	
Dimethylphthalate	<	21.0	UG/L	01/06/15	8270D	
Fluoranthene	<	21.0	UG/L	01/06/15	8270D	
Fluorene	<	21.0	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	21.0	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	21.0	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	21.0	UG/L	01/06/15	8270D	
Isophorone	<	21.0	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	21.0	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	21.0	UG/L	01/06/15	8270D	
Nitrobenzene	<	21.0	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	21.0	UG/L	01/06/15	8270D	
Phenanthrene	<	21.0	UG/L	01/06/15	8270D	
Pyrene	<	21.0	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	21.0	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	21.0	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	21.0	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	21.0	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	21.0	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	21.0	UG/L	01/06/15	8270D	
2-Chlorophenol	<	21.0	UG/L	01/06/15	8270D	

Sample Number: 541689
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1325
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
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 Report Date: 1/8/2015

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Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	21.0	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	21.0	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	21.0	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	21.0	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	21.0	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	52.5	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	21.0	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	21.0	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	21.0	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	21.0	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	21.0	UG/L	01/06/15	8270D	
4-Nitrophenol	<	52.5	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	52.5	UG/L	01/06/15	8270D	
Phenol	<	21.0	UG/L	01/06/15	8270D	
Naphthalene	<	21.0	UG/L	01/06/15	8270D	
Pentachlorophenol	<	52.5	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	21.0	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	21.0	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	21.0	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	21.0	UG/L	01/06/15	8270D	
Dibenzofuran	<	21.0	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	21.0	UG/L	01/06/15	8270D	
2-Methylphenol	<	21.0	UG/L	01/06/15	8270D	
4-Methylphenol	<	21.0	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	21.0	UG/L	01/06/15	8270D	
4-Chloroaniline	<	21.0	UG/L	01/06/15	8270D	
2-Nitroaniline	<	52.5	UG/L	01/06/15	8270D	
3-Nitroaniline	<	52.5	UG/L	01/06/15	8270D	
4-Nitroaniline	<	52.5	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		33
P-TERPHENYL-D14		86

Sample Number: 541689
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1325
Date Received: 12/18/2014
Date Completed: 01/08/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/8/2015

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OKLAHOMA, 73102-6010
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Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
PHENOL-D5		25
2,4,6-TRIBROMOPHENOL		82
NITROBENZENE-D5		64
2-FLUOROBIPHENYL		68

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(NU)			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-8; (b) (6)


SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

* ANALYST



Sample Number: 541689
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1325
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/9/2015

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Report of Analysis by Metals
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		72.3	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total		7.40	UG/L	12/31/14	200.8	
Copper, Total	<	5.00	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total	<	10.0	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-8; (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

SCOTT THOMPSON
EXECUTIVE DIRECTOR



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
GOVERNOR

January 26, 2014

(b) (6)

Dear Ms. (b) (6)

The Oklahoma Department of Environmental Quality (DEQ) sampled water from your house well on December 18th, 2014 as part of a reoccurring sampling event that will be performed approximately every three months. DEQ has offered this sampling to residents that live on, or adjacent to the Wilcox Oil Company Superfund Site. You are receiving this letter because you have provided DEQ permission to enter your property and collect a water sample from your well.

DEQ sampled for three types of contaminants that can be found on historical refinery locations. Those are: Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and Metals.

The first two pages of the sampling data is for VOCs. Results of the sampling are located in the Results column. The "<" symbol indicates that the substance was not detected in the sample. The next six pages are for SVOCs, and the last two pages for Metals. The "<" symbol in the Qualifier column indicates that the substance was not detected. No VOC or SVOC chemicals were detected in the water sample from your well. Several metals were detected at normal levels and are not considered to be a health risk.

The purpose of this sampling event was not to fully define the extent or type of contamination that may be present on the Wilcox Site. All potential health risks from the Site are unknown at this time. Further soil, sediment, surface water and ground water testing will be required in the future to determine how best to clean up the Wilcox Site.

If you have questions about this letter or the sampling data, do not hesitate to call me at (405) 702-5136. Please contact Bart Canellas with the U.S. Environmental Protection Agency at (214) 665-6662 with any questions about the EPA Superfund process or plans for the Wilcox Site.

Sincerely,

Todd Downham
Project Manager, Wilcox Oil Company Superfund Site
Land Protection Division
Oklahoma Department of Environmental Quality

c. Bart Canellas, U.S. EPA Dallas



State Environmental Laboratory Services Division

EPA DRINKING WATER CERTIFICATION #OK00013

General Inquiries: 1-866-412-3057

SAMPLE INFORMATION

Sample Number: 051909.009

Collected By: TD

Description: WR-9; (b) (6)

Collected: 12/18/14 1:45 pm

Received: 12/18/14 4:12 pm

TEST RESULTS

Analysis: Volatile Organic Compounds

Analysis Method: EPA 524.3

Component Name	Result	Unit	Qualifiers	Analyst	Analysis Date
1,1,1-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1,2-Trichloroethane	<0.5	µg/L		HLR	12/19/14
1,1-Dichloroethene	<0.5	µg/L		HLR	12/19/14
1,2,4-Trichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
1,2-Dichloroethane	<0.5	µg/L		HLR	12/19/14
1,2-Dichloropropane	<0.5	µg/L		HLR	12/19/14
1,4-Dichlorobenzene	<0.5	µg/L		HLR	12/19/14
Benzene	<0.5	µg/L		HLR	12/19/14
Carbon Tetrachloride	<0.5	µg/L		HLR	12/19/14
Chlorobenzene	<0.5	µg/L		HLR	12/19/14
cis-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Ethylbenzene	<0.5	µg/L		HLR	12/19/14
Methyl tert-Butyl Ether (MtBE)	<0.5	µg/L		HLR	12/19/14
Methylene Chloride	<0.5	µg/L		HLR	12/19/14
Styrene	<0.5	µg/L		HLR	12/19/14
Tetrachloroethene	<0.5	µg/L		HLR	12/19/14
Toluene	<0.5	µg/L		HLR	12/19/14
trans-1,2-Dichloroethene	<0.5	µg/L		HLR	12/19/14
Trichloroethene	<0.5	µg/L		HLR	12/19/14
Vinyl Chloride	<0.5	µg/L		HLR	12/19/14
Xylenes	<0.5	µg/L		HLR	12/19/14

Sample Number: 541690
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1345
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
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 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov

Report of Analysis by GCMS
EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

CC: FILE COPY

Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Extractab		1.10				
Acenaphthylene	<	22.0	UG/L	01/06/15	8270D	
Acenaphthene	<	22.0	UG/L	01/06/15	8270D	
Anthracene	<	22.0	UG/L	01/06/15	8270D	
Benzo(b)fluoranthene	<	22.0	UG/L	01/06/15	8270D	
Benzo(k)fluoranthene	<	22.0	UG/L	01/06/15	8270D	
Benzo(a)pyrene	<	22.0	UG/L	01/06/15	8270D	
Bis(2-chloroethyl)ether	<	22.0	UG/L	01/06/15	8270D	
Bis(2-chloroethoxy)methane	<	22.0	UG/L	01/06/15	8270D	
Bis(2-chloroisopropyl)ether	<	22.0	UG/L	01/06/15	8270D	
Butylbenzylphthalate	<	22.0	UG/L	01/06/15	8270D	
Chrysene	<	22.0	UG/L	01/06/15	8270D	
Diethylphthalate	<	22.0	UG/L	01/06/15	8270D	
Dimethylphthalate	<	22.0	UG/L	01/06/15	8270D	
Fluoranthene	<	22.0	UG/L	01/06/15	8270D	
Fluorene	<	22.0	UG/L	01/06/15	8270D	
Hexachlorocyclopentadiene	<	22.0	UG/L	01/06/15	8270D	
Hexachloroethane in water	<	22.0	UG/L	01/06/15	8270D	
Indeno(123cd)pyrene	<	22.0	UG/L	01/06/15	8270D	
Isophorone	<	22.0	UG/L	01/06/15	8270D	
Nitrosodipropylamine	<	22.0	UG/L	01/06/15	8270D	
Nitrosodiphenylamine	<	22.0	UG/L	01/06/15	8270D	
Nitrobenzene	<	22.0	UG/L	01/06/15	8270D	
p-Chloro-m-cresol	<	22.0	UG/L	01/06/15	8270D	
Phenanthrene	<	22.0	UG/L	01/06/15	8270D	
Pyrene	<	22.0	UG/L	01/06/15	8270D	
Benzo(ghi)perylene	<	22.0	UG/L	01/06/15	8270D	
Benzo(a)anthracene	<	22.0	UG/L	01/06/15	8270D	
1,2,4-Trichlorobenzene	<	22.0	UG/L	01/06/15	8270D	
Dibenzo(ah)anthracene	<	22.0	UG/L	01/06/15	8270D	
1,4-Dichlorobenzene	<	22.0	UG/L	01/06/15	8270D	
2-Chloronaphthalene	<	22.0	UG/L	01/06/15	8270D	
2-Chlorophenol	<	22.0	UG/L	01/06/15	8270D	

Sample Number: 541690
 Project Code: SW-WE
 Agency Number:
 Date Collected: 12/18/2014
 Time Collected: 1345
 Date Received: 12/18/2014
 Date Completed: 01/08/2015
 Collected By: TD
 PWS Id:
 Location Code:
 Station:
 Facility:
 Report Date: 1/8/2015

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ENVIRONMENTAL LABORATORY
707 N. ROBINSON
OKLAHOMA CITY
OKLAHOMA, 73102-6010
 General Inquiries: 1-866-412-3057
 or selsd@deq.ok.gov

Report of Analysis by GCMS
 EPA Drinking Water Certification #OK00013

To: TODD DOWNHAM/LPD

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	22.0	UG/L	01/06/15	8270D	
Di-n-octylphthalate	<	22.0	UG/L	01/06/15	8270D	
2,4-Dichlorophenol	<	22.0	UG/L	01/06/15	8270D	
2,4-Dimethylphenol	<	22.0	UG/L	01/06/15	8270D	
2,4-Dinitrotoluene	<	22.0	UG/L	01/06/15	8270D	
2,4-Dinitrophenol	<	55.0	UG/L	01/06/15	8270D	
2,4,6-Trichlorophenol	<	22.0	UG/L	01/06/15	8270D	
2,6-Dinitrotoluene	<	22.0	UG/L	01/06/15	8270D	
3,3'-Dichlorobenzidine	<	22.0	UG/L	01/06/15	8270D	
4-Bromophenylphenyl ether	<	22.0	UG/L	01/06/15	8270D	
4-Chlorophenyl phenylether	<	22.0	UG/L	01/06/15	8270D	
4-Nitrophenol	<	55.0	UG/L	01/06/15	8270D	
4,6-Dinitro-o-cresol	<	55.0	UG/L	01/06/15	8270D	
Phenol	<	22.0	UG/L	01/06/15	8270D	
Naphthalene	<	22.0	UG/L	01/06/15	8270D	
Pentachlorophenol	<	55.0	UG/L	01/06/15	8270D	
Bis(2-ethylhexyl)phthalate	<	22.0	UG/L	01/06/15	8270D	
Di-n-butylphthalate	<	22.0	UG/L	01/06/15	8270D	
Hexachlorobenzene	<	22.0	UG/L	01/06/15	8270D	
Hexachlorobutadiene	<	22.0	UG/L	01/06/15	8270D	
Dibenzofuran	<	22.0	UG/L	01/06/15	8270D	
2-Methylnaphthalene	<	22.0	UG/L	01/06/15	8270D	
2-Methylphenol	<	22.0	UG/L	01/06/15	8270D	
4-Methylphenol	<	22.0	UG/L	01/06/15	8270D	
2,4,5-Trichlorophenol	<	22.0	UG/L	01/06/15	8270D	
4-Chloroaniline	<	22.0	UG/L	01/06/15	8270D	
2-Nitroaniline	<	55.0	UG/L	01/06/15	8270D	
3-Nitroaniline	<	55.0	UG/L	01/06/15	8270D	
4-Nitroaniline	<	55.0	UG/L	01/06/15	8270D	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROPHENOL		36
PHENOL-D5		28

Sample Number: 541690
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COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2-FLUOROBIPHENYL		66
2,4,6-TRIBROMOPHENOL		83
NITROBENZENE-D5		63
P-TERPHENYL-D14		88

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
(NU)			

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-9; (b) (6)

SAMPLE RECEIVING COMMENTS:

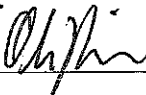
ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

Olivia Pierce (8270DM), (NU) No tentatively identified compounds were detected above the lower limit of quantitation for this analysis.

*

* ANALYST



Sample Number: 541690
Project Code: SW-WE
Agency Number:
Date Collected: 12/18/2014
Time Collected: 1345
Date Received: 12/18/2014
Date Completed: 01/09/2015
Collected By: TD
PWS Id:
Location Code:
Station:
Facility:
Report Date: 1/9/2015

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Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Arsenic, Total	<	2.00	UG/L	12/31/14	200.8	
Barium, Total		42.6	UG/L	12/31/14	200.8	
Beryllium, Total	<	2.00	UG/L	12/31/14	200.8	
Cadmium, Total	<	2.00	UG/L	12/31/14	200.8	
Chromium, Total	<	5.00	UG/L	12/31/14	200.8	
Copper, Total	<	5.00	UG/L	12/31/14	200.8	
Lead, Total	<	5.00	UG/L	12/31/14	200.8	
Thallium, Total	<	1.00	UG/L	12/31/14	200.8	
Nickel, Total	<	10.0	UG/L	12/31/14	200.8	
Silver, Total	<	10.0	UG/L	12/31/14	200.8	
Zinc, Total	<	10.0	UG/L	12/31/14	200.8	
Antimony, Total	<	2.00	UG/L	01/08/15	200.8	
Selenium, Total	<	10.0	UG/L	12/31/14	200.8	
Mercury, Total	<	0.05	UG/L	01/06/15	200.8	

Summary

Labs performing analysis on this Sample:

Metals GCMS

SOURCE: WILCOX

SAMPLERS COMMENTS:

WR-9, (b) (6)

SAMPLE RECEIVING COMMENTS:

ICE; SAMPLE= 3.4

ANALYST'S COMMENTS:

*

* ANALYST

Greg Goode

Greg Goode
State Environmental Laboratory

Wilcox Oil Company Superfund Site, Residential Sampling Locations, Creek County, Bristow, Oklahoma

